

6th March 1967.

Dr S. Champe,  
Department of Biological Sciences,  
Purdue University,  
Lafayette, Indiana 47907,  
U.S.A.

Dear Sewell,

We were very pleased to get your letter, and learn the new information about the position of component 30. It certainly seems that you do not pick this up unless the gene is working fairly strongly. We assume from what you say about the expected size of the peptide that you have located the right-hand end of it, presumably by using amber mutants. Sydney is very keen that you should try the effect of a UGA mutant to the right of component 30. We now have a weak suppressor for UGA and so we can always obtain it wherever we have an ochre. It would be interesting to compare the effect of an ochre and UGA at the same site to the right of component 30. If you will let us know roughly where component 30 is Sydney would be very pleased to produce such a pair of mutants for you (we would probably also make the amber as well if we could). Of course, we would expect that with an ochre or an amber there you should find a reasonable amount of component 30, but we are not at all clear what to expect for UGA.

As far as I recall the evidence of last summer about the revertants of ochres turned out to be no good because when Sydney looked into Anand's data the reversion rate was far too small to be significant.

Both Sydney and I would welcome William McClain in either the summer or fall of 1968 (it would not be possible to have him earlier), so do encourage him to look into fellowships. I am asking Leslie

Continued .....

- 2 -

Dr S. Champe.

6th March 1967.

Barnett to send you the mutants you ask for. Sydney is very curious  
to know why you would like some of them!

F.H.C. Crick.